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LIFE TABLES BY CAUSES OF DEATH, CANADA 1975 - 1977

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ABSTRACT

Life tables by major causes of death in Canada are constructed for the years 1975 through 1977. The analysis reveals that the male and the female gains in life expectancy at birth are nearly 10 and 15 years, if the cardiovascular renal diseases are completely removed from the scene. Elimination of cancer yields increases of nearly three years in life expectancy for both males and females at birth. Only very moderate gains are noticed, if accidents and suicide are eliminated as causes of death.

Keywords: Causes of death, gain in life expectancy, Canada.

Life Tables By Causes of Death,

Canada 1975-1977

INTRODUCTION

Life tables are prepared for all the countries of the world by the appropriate authorities for assessing the mortality conditions and for use in other areas as well. But most of these tables are not cause specific. Given that the developed and the developing countries differ in regard to major causes of death, life tables by causes of death are generally more useful only for those countries with low levels of mortality. Such life tables are a useful way to know and assess the relative importance of the major, or leading causes of death and compute the increase in life expectancy, when certain causes of death are eliminated or mollified by development in medical innovations, technology, or by life style related changes such as moderation in drinking, smoking, eating, doing exercise on a regular basis, jogging etc. But one has to remember that human beings are mortal and there is a competition between the various causes of death to claim the life of a person. If one cause of death claims the life, then no other cause of death can claim the life again. Again there are, besides the main causes, associated causes of death which, in the long run, help one of the competing causes to claim its victim. We shall look at only the main causes of death in our study.

Statistics Canada publishes on a regular basis the life tables for Canada and Provinces. Life tables by causes of death are not yet released by Statistics Canada to date. But there have been some attempts by others to develop results on life expectancy gains. Silins and Zayachkowski (1968) present the hypothetical gains in life expectancy resulting from the elimination of some major causes of death. The 1960-62 mortality data have been analysed in

that article. Smith (1976) talks about the gains in life expectancy and working life, when some preventable deaths are eliminated from Alberta. Kayani (1975) discusses the demographic implications, if the so called preventable mortality is reallly prevented in Alberta. Dufour and Peron (1979) have estimated the gains in life expectancy, if there is a reduction in the incidence of mortality by various causes for the province of Quebec. Gauthier (1977) notes that the total elimination of cardiovascular renal diseases and cancer would lead to increases of five to six years, and three years in the life expectation of Quebecers. More recent studies on gains from the elimination of specific causes of death for Canada are related to suicide (Cheung et al., 1982; Ng et al., 1982) and homicide (Lee, 1982). Preston, Keyfitz and Schoen (1972) have done a very detailed cause specific life table analysis for many countries in the world and the results on Canada pertain to the years 1921, 1931, 1941, 1951, 1961, 1960 and 1964. According to this study, the elimination of cardiovascular deaths would have added between four to six years in 1921-41 span and between 10 to 12 years in 1951-64 to the male life expectancy. For the female, the gains are between four to seven years (1921-41) and 10 to 14 years (1951-64).

METHODOLOGY

In this study, our aim is to develop cause specific life tables for Canada for the years 1975, 1976, and 1977. We decided not to average the death rates by specific causes of death and present just one life table each for Canadian males and females. In Canada, as in any other developed country, the major causes of death now are disease of the cardiovascular renal system, cancer, accidents (particularly auto-related), and diabetes. Communicable and infectious disease are almost non-existent. Some sixty to seventy years ago, infectious and communicable diseases were more significant contributors to the toll of mortality than cancer and accidents. In our analysis, we have not used

the detailed I.C.D. system to distinguish the various types of cardiovascular disease, cancer by site, and accidents. Instead, the Statistics Canada classification adopted in reporting the death rates by causes (category 8th revision) is utilized. Unlike Preston et al., life tables are produced for two competing causes only. Thus if cardiovascular renal system breakdown is a cause under consideration, the other cause is "all other causes of death" clubbed together as a whole.

In ordinary life tables i.e. single decrement tables, there is no problem of interdependency of causes. When one considers two competing causes of death, the mortality rates emanating from each cause are dependent. If q_x^1 and q_x^{11} are the probabilities of dying at age x from Cause 1 and Cause 2 relatively, then the overall probability Q_x^1 of dying at age x is approximately given by:

$$Q_x^1 = q_x^1 (1 - 1/2\, q_x^{11}) \text{ and}$$

$$q_x^1 = \frac{Q_x^1}{1 - 1/2\, q_x^{11}} \quad \text{on the assumption that } q_x^1 \text{ and } q_x^{11} \text{ are small.}$$

Similarly, when there are three causes,

$$Q_x^1 = q_x^1 (1 - 1/2\, q_x^{11} - 1/2\, q_x^{111}) \text{ and}$$

$$q_x^1 = \frac{Q_x^1}{1 - 1/2\, q_x^{11} - 1/2\, q_x^{111}}$$

This is generalizable to a finite number of causes on the assumption that q_x^1, q_x^{11}, q_x^{111}, etc are small.

The computer program given in Preston et al. utilizes this generalized form and the program is a bit complex. One of us (Lalu, 1982) has developed a much simpler program to develop the cause specific life tables with two competing causes. This program is utilized here.

AGE PATTERNS OF CAUSE-SPECIFIC MORTALITY RATES

Mortality is seen to follow a U-pattern by age. Here we consider all causes of death. We may like to see whether this U-pattern holds when mortality by different causes of death is considered. We average the age specific rates for the three years and do some smoothing. The following age patterns emerge:

		Pattern
Heart Disease	Males	U - shaped (with a low peak to the left)
	Females	U - shaped (with a low peak to the left)
Cancer	Males	J - shaped
	Females	J - shaped
Accidents	Males	Bimodal
	Females	Bimodal
Suicide	Males	Bimodal
	Females	Inverted U - shaped

An explanation for these patterns is possible. Heart disease and cancer are not diseases associated with young ages. Given that these are chronic and degenerate diseases, and such diseases are a consequence of the life style and the psychological stresses associated with one's working life, the mortality rate is probably positively associated with age. The bimodality seen in the death rate graphs for accidents and suicide is also amenable to meaningful interpretations. The "accidents" category is a mixture of "automobile accidents" and "other accidents". Since accident mortality is highest for the 20-24 age group, a peak is noticed in the graph. The young die in motor vehicle accidents, not for chronic reasons, but as a consequence of their somewhat irrational social behavior arising from their life style: The other peak which is seen as one moves up in the age scale is interpretable as arising from other types of accidents which are associated with old age.

The bimodality in the male and the inverted U-pattern in the female suicide graph can be traced to Durkheim's pioneering study. The concept of anomie will help to account for the peaks for the age groups 20-24 and 50-54 in the male graph, both arising from different sets of factors in the life cycle. The female peak is seen in the 45-49 age group. The life cycle factor is indubitably present here.

FINDINGS

The detailed tables are shown in the Appendix. It is enough if the highlights are noted here. Tables 1 and 2 show the gains in life expectancy at selected ages, under the hypothetical situation that these major causes are eliminated from the scene.

It is seen that the complete elimination of heart disease leads to an increase of 10 years in male life expectancy at birth and some nine years at age 65. For the females, it is higher - some 14 to 15 years at birth and some 15 years at 65. Elimination of cancer results in a gain of nearly three years for males and females at birth and some two years at age 65. The increase noticed for the males when accidental deaths are prevented, is a little higher (nearly two years at birth for males vs. one year for females, approximately one year for males at age 20 vs. nearly six months for females). The increase in expectancy as a consequence of eliminating suicidal deaths is some five months for males and nearly three months for females at birth. Sizable gains are reaped only when cardiovascular deaths are prevented, followed by the elimination of cancer.

DISCUSSION

The gains in life expectancy shown here are only one simple set of indicators of the consequences of preventing, or eliminating some of the major causes of deaths in Canada. According to Gnanasekaran and Montigny (1975), 63%

Table 1

GAINS IN MALE LIFE EXPECTANCY IN YEARS AT SELECTED AGES AFTER COMPLETE ELIMINATION OF CERTAIN CAUSES OF DEATH, CANADA 1975 - 1977

	Causes Eliminated									
	Heart Disease			Cancer			Accidents			Suicide
Age	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975-77
0	9.3	10.0	10.1	2.8	2.9	2.8	1.8	1.7	0.5	0.4
20	9.5	10.4	10.3	2.7	2.9	2.8	1.3	1.1	0.3	0.4
45	9.7	10.4	10.5	2.7	2.7	2.8	0.5	0.5	0.1	0.1
65	8.6	9.5	9.4	1.9	2.0	2.0	0.2	0.2	Neg	Neg

Source: Author's computations; Cheung et al. (1982) and Ng et al. (1982)

Note: Cancer -----: I.C.D. Categories 140-209
Diseases of the heart ----: I.C.D. Categories 393-398, 400.1, 400.9, 402, 404, 391, 392, 410-414, 420-429
Accidents ----: I.C.D. Categories E800-E949
Suicide ----: I.C.D. Categories E950-E959

TABLE 2

GAINS IN FEMALE LIFE EXPECTANCY IN YEARS AT SELECTED AGES AFTER COMPLETE ELIMINATION OF CERTAIN CAUSES OF DEATH, CANADA 1975-1977

	CAUSE ELIMINATED									
	Heart Disease			Cancer			Accidents			Suicide
Age	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975-77
0	14.5	13.9	14.9	3.1	3.1	3.2	0.9	0.8	0.8	0.2
20	14.8	14.2	15.2	3.1	3.1	3.2	0.6	0.5	0.5	0.2
45	15.1	14.3	15.3	2.8	2.9	2.9	0.3	0.3	0.3	0.1
65	15.4	14.6	15.6	1.8	1.7	1.8	0.2	0.2	0.2	0.1

Source: See Table 1.

of a Canadian male's life expectancy at birth is economically productive. Hence, complete elimination of heart disease would add some 6.3 years to working life. There is a qualitative aspect to the prevention of diseases to which one should pay attention. Many cancer patients suffer untold pain; a larger number of those who survive motor vehicle accidents, even though they do not add to the mortality statistics, suffer irreparable bodily and psychological damages. So are those, who attempted suicide but didn't succeed. Leaving aside the legal issues surrounding attempted suicide, the psychological state of such persons will never be as it was before the suicide attempt. These qualitative aspects cannot be assessed easily and they may far outweigh the life expectancy gains. Thus we believe that efforts to prevent all major causes of death, preventative, curative, educational and exhortational will help to make Canadian life span long, fruitful, and comfortable.

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REFERENCES

Cheung, V., R. Kapoor, N. Lalu and P. Krishnan (1982), "A life table analysis of male suicide in Canada", in P. Krishnan and N. Lalu (Editors), Demographic Methods in Criminology, Edmonton: Center for Criminological Research, University of Alberta. (forthcoming)

Dufour, D. and Y. Peron (1979), Vingt ans de mortalite au Quebec, Montreal: Les presses de l'Universite de Montreal.

Gauthier, H. (1977), Evolution de'mographique du Quebec, Quebec: Office de la planification et de developpement du Quebec.

Gnanasekaran, K.S. and G. Montigny (1975), Working life tables for males in Canada and provinces, 1971, Ottawa: Statistics Canada. (Catalogue 71-524 E occasional).

Kayani, A.K. (1975), "Preventable mortality: analysis of potential effects", Paper presented at the annual meeting of the Canadian Public Health Association, Edmonton (Available in Quarterly Statistical Review, Alberta Social Services and Community Health, April-June 1975, 7-25).

Lalu, N.M. (1982), "A computer program for causes of death life tables", Edmonton: Population Research Laboratory, University of Alberta.

Lee, G.W. (1982), "A demographic analysis of Canadian homicide rates", in Demographic Methods in Criminology (forthcoming).

Ng. E., N. Lalu and P. Krishnan (1982), "A life table analysis of female suicide in Canada", in Demographic Methods in Criminology (forthcoming).

Preston, S.H., N. Keyfitz, and R. Schoen (1972), Causes of death: life tables for national populations, New York: Seminar Press.

Silins, J. and W. Zayachkowsi (1968), "Life expectancy eliminating certain causes of death, Canada, 1960-62, Canadian Journal of Public Health, 59, 405-407.

Smith, E.S.O. (1976), "Preventable mortality: the price of neglect", Canadian Studies in Population, 3, 73-88.

APPENDIX TABLES

Appendix

TABLE 1

Years Added to Life Expectancy At Birth Upon Elimination of Certain Causes of Death, Canada 1921-1964

	Cardio-vascular		Neo-Plasams		Accidents	
Year	Male	Female	Male	Female	Male	Female
1921	3.8	4.0	1.2	1.7	0.1	.03
1931	4.4	4.8	1.5	2.0	0.4	0.1
1941	6.3	6.5	1.7	2.3	0.5	0.2
1951	9.7	10.2	1.9	2.5	0.7	0.2
1960	10.8	11.8	2.2	2.7	0.8	0.3
1964	11.6	14.2	2.4	2.8	0.9	0.4
1960-62	11.4	12.9	2.3	2.6	1.9	0.8

Source: Preston, Keyfitz, and Schoen (1972); Silins and Zayachkowski (1968) for 1960-62.

TABLE 2

Life Tables for Canadian Males, 1977: All causes of Death and Heart Disease (second cause)

1977 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01333	0.00007	99061.	7050547.	70.50546
1 - 4	98659.	0.00262	0.00005	394032.	6951486.	70.45944
5 - 9	98396.	0.00227	0.00005	491411.	6557454.	66.64328
10 - 14	98168.	0.00198	0.00008	490335.	6066044.	61.79243
15 - 19	97966.	0.00714	0.00014	488045.	5575710.	56.91481
20 - 24	97252.	0.00915	0.00024	483978.	5087666.	52.31425
25 - 29	96339.	0.00703	0.00050	479884.	4603688.	47.78621
30 - 34	95614.	0.00678	0.00077	476267.	4123805.	43.12962
35 - 39	94893.	0.00838	0.00236	471915.	3647538.	38.43855
40 - 44	93873.	0.01088	0.00537	465552.	3175623.	33.82881
45 - 49	92347.	0.01620	0.01091	455479.	2710072.	29.34650
50 - 54	89844.	0.02390	0.01975	439418.	2254594.	25.09448
55 - 59	85923.	0.03470	0.03261	415154.	1815177.	21.12566
60 - 64	80139.	0.05113	0.05332	379769.	1400023.	17.46994
65 - 69	71769.	0.07270	0.07948	331538.	1020255.	14.21591
70 - 74	60847.	0.10301	0.12172	270047.	688717.	11.31890
75 - 79	47172.	0.13941	0.17807	198420.	418670.	8.87537
80 - 84	32196.	0.18398	0.25919	125309.	220250.	6.84075
85 +	17928.	0.24717	0.39420	94941.	94941.	5.29573

1977 Male Life Table: Heart Disease Eliminated

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01333	0.0	99067.	8057517.	80.57518
1 - 4	98667.	0.00262	0.0	394074.	7958451.	80.65985
5 - 9	98409.	0.00227	0.0	491485.	7564378.	76.86691
10 - 14	98185.	0.00198	0.0	490438.	7072894.	72.03630
15 - 19	97990.	0.00714	0.0	488201.	6582456.	67.17459
20 - 24	97290.	0.00915	0.0	484226.	6094255.	62.63992
25 - 29	96400.	0.00703	0.0	480306.	5610030.	58.19533
30 - 34	95723.	0.00678	0.0	476990.	5129724.	53.58949
35 - 39	95074.	0.00839	0.0	473374.	4652734.	48.93822
40 - 44	94276.	0.01091	0.0	468807.	4179361.	44.33121
45 - 49	93247.	0.01628	0.0	462439.	3710554.	39.79274
50 - 54	91729.	0.02414	0.0	453107.	3248116.	35.41008
55 - 59	89514.	0.03528	0.0	439677.	2795009.	31.22415
60 - 64	86357.	0.05253	0.0	420442.	2355332.	27.27451
65 - 69	81820.	0.07571	0.0	393614.	1934891.	23.64809
70 - 74	75626.	0.10969	0.0	357389.	1541277.	20.38039
75 - 79	67330.	0.15304	0.0	310891.	1183888.	17.58333
80 - 84	57026.	0.21137	0.0	254997.	872998.	15.30869
85 +	44973.	0.30785	0.0	618000.	618000.	13.74169

TABLE 3

Life Tables for Canadian Males, 1976: All causes of Death and Heart Disease (second cause)

1976 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01477	0.00016	98955.	6989041.	69.89040
1 - 4	98507.	0.00568	0.00007	392723.	6890087.	69.94528
5 - 9	97940.	0.00254	0.00004	489069.	6497365.	66.34038
10 - 14	97688.	0.00648	0.00009	486836.	6008296.	61.50507
15 - 19	97047.	0.00769	0.00012	483336.	5521461.	56.89496
20 - 24	96288.	0.00656	0.00025	479799.	5038125.	52.32349
25 - 29	95632.	0.00689	0.00037	476422.	4558327.	47.66550
30 - 34	94937.	0.00645	0.00108	472900.	4081905.	42.99582
35 - 39	94223.	0.00747	0.00238	468793.	3609006.	38.30293
40 - 44	93295.	0.01097	0.00510	462725.	3140213.	33.65912
45 - 49	91795.	0.01622	0.01126	452671.	2677488.	29.16798
50 - 54	89273.	0.02361	0.01992	436652.	2224817.	24.92146
55 - 59	85388.	0.03550	0.03360	412188.	1788166.	20.94177
60 - 64	79488.	0.05268	0.05187	376662.	1375979.	17.31061
65 - 69	71177.	0.07381	0.07974	328561.	999317.	14.03988
70 - 74	60247.	0.09926	0.12841	266946.	670757.	11.13338
75 - 79	46531.	0.14061	0.18323	194984.	403811.	8.67832
80 - 84	31463.	0.18715	0.26913	121423.	208827.	6.63732
85 +	17107.	0.24695	0.41014	87404.	87404.	5.10928

1976 Male Life Table: Heart Disease Eliminated

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01477	0.0	98966.	7992337.	79.92336
1 - 4	98523.	0.00568	0.0	392804.	7893372.	80.11710
5 - 9	97963.	0.00254	0.0	489194.	7500569.	76.56532
10 - 14	97715.	0.00648	0.0	486990.	7011376.	71.75368
15 - 19	97081.	0.00769	0.0	483540.	6524387.	67.20534
20 - 24	96335.	0.00657	0.0	480092.	6040847.	62.70691
25 - 29	95702.	0.00689	0.0	476861.	5560756.	58.10483
30 - 34	95042.	0.00645	0.0	473679.	5083895.	53.49078
35 - 39	94429.	0.00748	0.0	470380.	4610216.	48.82193
40 - 44	93723.	0.01099	0.0	466038.	4139836.	44.17102
45 - 49	92692.	0.01631	0.0	459681.	3673798.	39.63429
50 - 54	91180.	0.02384	0.0	450466.	3214117.	35.25017
55 - 59	89006.	0.03611	0.0	436997.	2763652.	31.05013
60 - 64	85793.	0.05409	0.0	417362.	2326656.	27.11957
65 - 69	81152.	0.07688	0.0	390165.	1909294.	23.52727
70 - 74	74914.	0.10607	0.0	354703.	1519130.	20.27843
75 - 79	66968.	0.15479	0.0	308923.	1164428.	17.38794
80 - 84	56602.	0.21625	0.0	252409.	855505.	15.11447
85 +	44362.	0.31066	0.0	603096.	603096.	13.59496

TABLE 4

Life Tables for Canadian Males, 1975: All causes of Death and Heart Disease (second cause)

1975 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01500	0.00010	98943.	6983780.	69.83780
1 - 4	98490.	0.00339	0.00006	393177.	6884838.	69.90396
5 - 9	98150.	0.00252	0.00003	490122.	6491662.	66.14055
10 - 14	97899.	0.00223	0.00006	488936.	6001541.	61.30327
15 - 19	97675.	0.00800	0.00016	486384.	5512606.	56.43820
20 - 24	96878.	0.00926	0.00023	482093.	5026223.	51.88174
25 - 29	95959.	0.00716	0.00047	477964.	4544131.	47.35507
30 - 34	95227.	0.00693	0.00096	474258.	4066167.	42.69969
35 - 39	94476.	0.00879	0.00232	469757.	3591910.	38.01927
40 - 44	93427.	0.01156	0.00534	463186.	3122154.	33.41824
45 - 49	91848.	0.01648	0.01074	452989.	2658968.	28.94969
50 - 54	89348.	0.02492	0.01973	436765.	2205980.	24.68983
55 - 59	85359.	0.03635	0.03323	411944.	1769215.	20.72687
60 - 64	79419.	0.05196	0.05388	376081.	1357271.	17.08994
65 - 69	71013.	0.07411	0.08411	326978.	981190.	13.81699
70 - 74	59778.	0.10603	0.12164	264864.	654213.	10.94408
75 - 79	46168.	0.14317	0.18047	193485.	389348.	8.43328
80 - 84	31226.	0.18696	0.27490	120076.	195863.	6.27239
85 +	16804.	0.27095	0.44231	75787.	75787.	4.51000

1975 Male Life Table: Heart Disease Eliminated

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01500	0.0	98950.	7911950.	79.11949
1 - 4	98500.	0.00340	0.0	393229.	7813001.	79.32010
5 - 9	98165.	0.00252	0.0	490206.	7419772.	75.58455
10 - 14	97917.	0.00223	0.0	489042.	6929566.	70.76952
15 - 19	97699.	0.00800	0.0	486543.	6440525.	65.92191
20 - 24	96918.	0.00927	0.0	482344.	5953983.	61.43335
25 - 29	96020.	0.00716	0.0	478380.	5471640.	56.98456
30 - 34	95332.	0.00693	0.0	475009.	4993261.	52.37746
35 - 39	94672.	0.00880	0.0	471275.	4518252.	47.72557
40 - 44	93839.	0.01159	0.0	466474.	4046977.	43.12703
45 - 49	92751.	0.01657	0.0	459913.	3580503.	38.60330
50 - 54	91214.	0.02516	0.0	450332.	3120591.	34.21175
55 - 59	88919.	0.03697	0.0	436376.	2670260.	30.03035
60 - 64	85632.	0.05340	0.0	416728.	2233885.	26.08713
65 - 69	81059.	0.07736	0.0	389620.	1817158.	22.41763
70 - 74	74789.	0.11290	0.0	352834.	1427539.	19.08765
75 - 79	66345.	0.15737	0.0	305623.	1074705.	16.19870
80 - 84	55904.	0.21675	0.0	249228.	769083.	13.75715
85 +	43787.	0.34789	0.0	519855.	519855.	11.87235

TABLE 5

Life Tables for Canadian Females, 1977: All causes of Death and Heart Disease (second cause)

1977 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01107	0.00007	99220.	7810619.	78.10619
1 - 4	98886.	0.00228	0.00002	395020.	7711399.	77.98271
5 - 9	98658.	0.00139	0.00005	492937.	7316379.	74.15877
10 - 14	98517.	0.00126	0.00005	492260.	6823442.	69.26187
15 - 19	98387.	0.00246	0.00014	491297.	6331182.	64.34949
20 - 24	98131.	0.00245	0.00015	490019.	5839885.	59.51088
25 - 29	97876.	0.00249	0.00029	488702.	5349867.	54.65956
30 - 34	97605.	0.00307	0.00051	487148.	4861166.	49.80472
35 - 39	97255.	0.00478	0.00087	484901.	4374018.	44.97479
40 - 44	96706.	0.00728	0.00180	481334.	3889117.	40.21600
45 - 49	95828.	0.01130	0.00361	475568.	3407784.	35.56158
50 - 54	94399.	0.01631	0.00578	466783.	2932217.	31.06186
55 - 59	92314.	0.02298	0.01023	453905.	2465434.	26.70700
60 - 64	89248.	0.03101	0.01890	435103.	2011530.	22.53870
65 - 69	84793.	0.04184	0.03551	407570.	1576428.	18.59142
70 - 74	78235.	0.05648	0.06621	367177.	1168858.	14.94038
75 - 79	68636.	0.07566	0.11615	310266.	801682.	11.68020
80 - 84	55471.	0.10945	0.20116	234279.	491415.	8.85902
85 +	38241.	0.16110	0.38096	257136.	257136.	6.72405

1977 Female Life Table: Heart Disease Eliminated

AGE	LX	QX1	QX2	CLX	Tx	Ex
0 - 1	100000.	0.01107	0.0	99225.	9299899.	92.99898
1 - 4	98893.	0.00228	0.0	395053.	9200675.	93.03690
5 - 9	98667.	0.00139	0.0	492995.	8805623.	89.24553
10 - 14	98531.	0.00126	0.0	492341.	8312629.	84.36598
15 - 19	98406.	0.00246	0.0	491425.	7820288.	79.46962
20 - 24	98164.	0.00245	0.0	490217.	7328864.	74.65947
25 - 29	97923.	0.00249	0.0	489006.	6838648.	69.83708
30 - 34	97679.	0.00307	0.0	487648.	6349643.	65.00490
35 - 39	97380.	0.00478	0.0	485734.	5861996.	60.19731
40 - 44	96914.	0.00728	0.0	482805.	5376263.	55.47464
45 - 49	96208.	0.01132	0.0	478318.	4893459.	50.86333
50 - 54	95119.	0.01635	0.0	471706.	4415142.	46.41696
55 - 59	93563.	0.02310	0.0	462413.	3943436.	42.14719
60 - 64	91402.	0.03131	0.0	449855.	3481023.	38.08478
65 - 69	88540.	0.04260	0.0	433271.	3031168.	34.23499
70 - 74	84769.	0.05841	0.0	411463.	2597897.	30.64696
75 - 79	79817.	0.08032	0.0	383056.	2186434.	27.39314
80 - 84	73406.	0.12169	0.0	344696.	1803379.	24.56732
85 +	64473.	0.19901	0.0	1458683.	1458683.	22.62469

TABLE 6

Life Tables for Canadian Females, 1976: All causes of Death and Heart Disease (second cause)

1976 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01173	0.00007	99172.	7780664.	77.80663
1 - 4	98818.	0.00241	0.00006	394709.	7681492.	77.73398
5 - 9	98574.	0.00156	0.00003	492477.	7286783.	73.92227
10 - 14	98417.	0.00118	0.00004	491786.	6794306.	69.03583
15 - 19	98297.	0.00247	0.00010	490855.	6302521.	64.11711
20 - 24	98045.	0.00238	0.00019	489593.	5811667.	59.27554
25 - 29	97792.	0.00234	0.00025	488327.	5322074.	54.42221
30 - 34	97538.	0.00339	0.00042	486762.	4833748.	49.56739
35 - 39	97166.	0.00494	0.00092	484408.	4346987.	44.73756
40 - 44	96597.	0.00692	0.00166	480913.	3862580.	39.98663
45 - 49	95768.	0.01132	0.00337	475326.	3381668.	35.31074
50 - 54	94362.	0.01561	0.00579	466762.	2906342.	30.79985
55 - 59	92343.	0.02257	0.01018	454154.	2439581.	26.41882
60 - 64	89319.	0.03093	0.01996	435230.	1985428.	22.22852
65 - 69	84773.	0.04128	0.03770	407127.	1550198.	18.28644
70 - 74	78078.	0.05552	0.06786	366304.	1143072.	14.64019
75 - 79	68444.	0.07922	0.12184	307816.	776769.	11.34898
80 - 84	54683.	0.11160	0.21058	229369.	468952.	8.57589
85 +	37065.	0.17267	0.38512	239583.	239583.	6.46385

1976 Female Life Table: Heart Disease Eliminated

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01173	0.0	99178.	9174568.	91.74567
1 - 4	98827.	0.00241	0.0	394758.	9075390.	91.83154
5 - 9	98588.	0.00156	0.0	492558.	8680633.	88.04936
10 - 14	98435.	0.00118	0.0	491884.	8188076.	83.18277
15 - 19	98319.	0.00247	0.0	490987.	7696193.	78.27792
20 - 24	98076.	0.00238	0.0	489796.	7205206.	73.46544
25 - 29	97842.	0.00234	0.0	488637.	6715411.	68.63512
30 - 34	97613.	0.00339	0.0	487236.	6226774.	63.79057
35 - 39	97282.	0.00495	0.0	485205.	5739539.	58.99924
40 - 44	96800.	0.00692	0.0	482326.	5254335.	54.28011
45 - 49	96130.	0.01134	0.0	477926.	4772009.	49.64113
50 - 54	95040.	0.01566	0.0	471482.	4294083.	45.18164
55 - 59	93552.	0.02268	0.0	462456.	3822602.	40.86060
60 - 64	91430.	0.03124	0.0	450010.	3360146.	36.75089
65 - 69	88574.	0.04207	0.0	433552.	2910136.	32.85550
70 - 74	84847.	0.05747	0.0	412045.	2476584.	29.18875
75 - 79	79971.	0.08436	0.0	382989.	2064540.	25.81618
80 - 84	73225.	0.12473	0.0	343290.	1681552.	22.96423
85 +	64091.	0.21385	0.0	1338262.	1338262.	20.88052

TABLE 7

Life Tables for Canadian Females, 1975: All causes of Death and Heart Disease (second cause)

1975 Female Life Table: All causes

AGE		LX	QX1	QX2	CLX	TX	EX
0	1	100000.	0.01189	0.00007	99162.	7664695.	76.64694
1	4	98803.	0.00265	0.00005	394598.	7565533.	76.57155
5	9	98536.	0.00170	0.00004	492249.	7170935.	72.77486
10	14	98364.	0.00236	0.00004	491228.	6678686.	67.89783
15	19	98128.	0.00839	0.00010	488554.	6187458.	63.05521
20	24	97294.	0.00950	0.00013	484127.	5698905.	58.57413
25	29	96357.	0.00272	0.00028	481061.	5214778.	54.11937
30	34	96060.	0.00345	0.00049	479393.	4733717.	49.27487
35	39	95670.	0.00522	0.00090	476984.	4254325.	44.45963
40	44	95104.	0.00788	0.00190	473195.	3777341.	39.71797
45	49	94174.	0.01232	0.00365	467109.	3304147.	35.08563
50	54	92670.	0.01628	0.00600	458186.	2837039.	30.61450
55	59	90605.	0.02323	0.01172	445107.	2378853.	26.25525
60	64	87438.	0.03134	0.02137	425667.	1933746.	22.11562
65	69	82829.	0.04342	0.03954	396965.	1508079.	18.20714
70	74	75957.	0.05953	0.07017	355157.	1111114.	14.62816
75	79	66106.	0.07976	0.12456	296762.	755957.	11.43560
80	84	52597.	0.11104	0.21225	220484.	459195.	8.73008
85	+	35594.	0.18134	0.37676	238711.	238711.	6.70641

1975 Female Life Table: Heart Disease Eliminated

AGE		LX	QX1	QX2	CLX	TX	EX
0	1	100000.	0.01189	0.0	99168.	9110148.	91.10147
1	4	98811.	0.00265	0.0	394640.	9010981.	91.19421
5	9	98549.	0.00170	0.0	492323.	8616342.	87.43250
10	14	98381.	0.00236	0.0	491323.	8124020.	82.57744
15	19	98149.	0.00840	0.0	488684.	7632697.	77.76662
20	24	97325.	0.00950	0.0	484312.	7144014.	73.40387
25	29	96400.	0.00272	0.0	481343.	6659703.	69.08414
30	34	96137.	0.00345	0.0	479857.	6178361.	64.26608
35	39	95806.	0.00523	0.0	477777.	5698504.	59.47980
40	44	95305.	0.00789	0.0	474645.	5220728.	54.77916
45	49	94553.	0.01234	0.0	469847.	4746084.	50.19505
50	54	93386.	0.01633	0.0	463119.	4276237.	45.79092
55	59	91861.	0.02336	0.0	453941.	3813119.	41.50951
60	64	89715.	0.03168	0.0	441471.	3359178.	37.44270
65	69	86873.	0.04430	0.0	424745.	2917708.	33.58585
70	74	83025.	0.06169	0.0	402318.	2492964.	30.02675
75	79	77903.	0.08505	0.0	372949.	2090646.	26.83665
80	84	71277.	0.12423	0.0	334248.	1717698.	24.09897
85	+	62422.	0.20273	0.0	1383451.	1383451.	22.16272

TABLE 8

Life Table by Accidents and all other causes of Death for Males in Canada, 1977

1977 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01299	0.00041	99061.	7539613.	75.39613
1 - 4	98659.	0.00143	0.00123	394032.	7440552.	75.41668
5 - 9	98396.	0.00072	0.00065	491645.	7046520.	71.61369
10 - 14	98262.	0.00064	0.00061	491002.	6554875.	66.70822
15 - 19	98139.	0.00118	0.00131	490083.	6063874.	61.78870
20 - 24	97894.	0.00155	0.00104	488835.	5573792.	56.93689
25 - 29	97640.	0.00230	0.00047	487524.	5084958.	52.07877
30 - 34	97370.	0.00308	0.00044	485994.	4597434.	47.21614
35 - 39	97028.	0.00499	0.00053	483799.	4111440.	42.37386
40 - 44	96492.	0.00840	0.00046	480322.	3627641.	37.59525
45 - 49	95637.	0.01392	0.00070	474691.	3147319.	32.90904
50 - 54	94240.	0.02224	0.00080	465767.	2672629.	28.35995
55 - 59	92067.	0.03499	0.00071	452120.	2206862.	23.97006
60 - 64	88781.	0.05351	0.00067	431878.	1754743.	19.76494
65 - 69	83971.	0.08657	0.00060	401555.	1322865.	15.75389
70 - 74	76651.	0.14784	0.00047	354836.	921311.	12.01954
75 - 79	65283.	0.25791	0.00034	284268.	566475.	8.67720
80 - 84	48424.	0.46155	0.00040	186196.	282207.	5.82783
85 +	26054.	0.80831	0.00010	96011.	96011.	3.68507

1977 Male Life Table: second cause eliminated (ie. accidents)

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01300	0.0	99090.	7589022.	75.89021
1 - 4	98700.	0.00143	0.0	394476.	7489932.	75.88564
5 - 9	98559.	0.00072	0.0	492617.	7095457.	71.99207
10 - 14	98488.	0.00064	0.0	492282.	6602840.	67.04211
15 - 19	98425.	0.00118	0.0	491833.	6110559.	62.08356
20 - 24	98309.	0.00155	0.0	491160.	5618726.	57.15401
25 - 29	98156.	0.00230	0.0	490215.	5127566.	52.23911
30 - 34	97930.	0.00308	0.0	488898.	4637352.	47.35361
35 - 39	97629.	0.00499	0.0	486925.	4148455.	42.49214
40 - 44	97141.	0.00840	0.0	483666.	3661530.	37.69279
45 - 49	96325.	0.01392	0.0	478272.	3177865.	32.99109
50 - 54	94984.	0.02225	0.0	469636.	2699593.	28.42155
55 - 59	92870.	0.03500	0.0	456224.	2229958.	24.01152
60 - 64	89619.	0.05353	0.0	436105.	1773734.	19.79184
65 - 69	84822.	0.08659	0.0	405749.	1337630.	15.76978
70 - 74	77477.	0.14787	0.0	358744.	931882.	12.02781
75 - 79	66020.	0.25795	0.0	287526.	573138.	8.68124
80 - 84	48990.	0.46164	0.0	188411.	285612.	5.83000
85 +	26374.	0.80835	0.0	97201.	97201.	3.68547

TABLE 9

Life Table by Accidents and all other causes of Death for Males in Canada, 1976

1976 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01442	0.00051	98955.	7006310.	70.06310
1 - 4	98507.	0.00289	0.00287	392723.	6907356.	70.12059
5 - 9	97940.	0.00097	0.00128	489150.	6514634.	66.51674
10 - 14	97720.	0.00086	0.00127	488079.	6025485.	61.66063
15 - 19	97511.	0.00230	0.00493	485796.	5537407.	56.78729
20 - 24	96807.	0.00347	0.00530	481913.	5051612.	52.18230
25 - 29	95958.	0.00363	0.00363	478049.	4569700.	47.62178
30 - 34	95261.	0.00460	0.00293	474515.	4091651.	42.95180
35 - 39	94544.	0.00720	0.00265	470394.	3617137.	38.25859
40 - 44	93613.	0.01299	0.00308	464305.	3146743.	33.61430
45 - 49	92109.	0.02432	0.00315	454219.	2682438.	29.12247
50 - 54	89579.	0.04022	0.00331	438146.	2228220.	24.87445
55 - 59	85680.	0.06517	0.00392	413598.	1790075.	20.89264
60 - 64	79760.	0.10078	0.00377	377951.	1376477.	17.25781
65 - 69	71421.	0.14949	0.00406	329686.	998526.	13.98091
70 - 74	60454.	0.22308	0.00459	267859.	668841.	11.06371
75 - 79	46690.	0.31767	0.00635	195630.	400981.	8.58812
80 - 84	31562.	0.45985	0.01364	120448.	205351.	6.50632
85 +	16617.	0.64060	0.01649	84903.	84903.	5.10928

1976 Male Life Table: second cause eliminated (ie. accidents)

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01443	0.0	98990.	7184035.	71.84035
1 - 4	98557.	0.00289	0.0	393573.	7085045.	71.88756
5 - 9	98272.	0.00097	0.0	491123.	6691472.	68.09125
10 - 14	98177.	0.00086	0.0	490674.	6200349.	63.15471
15 - 19	98092.	0.00230	0.0	489898.	5709676.	58.20709
20 - 24	97867.	0.00348	0.0	488483.	5219779.	53.33560
25 - 29	97527.	0.00364	0.0	486746.	4731296.	48.51289
30 - 34	97172.	0.00460	0.0	484741.	4244550.	43.68085
35 - 39	96725.	0.00721	0.0	481881.	3759809.	38.87126
40 - 44	96028.	0.01301	0.0	477016.	3277929.	34.13527
45 - 49	94779.	0.02436	0.0	468122.	2800914.	29.55214
50 - 54	92470.	0.04028	0.0	453039.	2332792.	25.22748
55 - 59	88745.	0.06530	0.0	429239.	1879754.	21.18144
60 - 64	82950.	0.10097	0.0	393813.	1450516.	17.48659
65 - 69	74575.	0.14980	0.0	344947.	1056704.	14.16970
70 - 74	63404.	0.22359	0.0	281577.	711758.	11.22580
75 - 79	49227.	0.31868	0.0	206917.	430181.	8.73868
80 - 84	33540.	0.46301	0.0	128875.	223264.	6.65673
85 +	18010.	0.64593	0.0	94389.	94389.	5.24082

TABLE 10

Life Table by Accidents and all other causes of Death for Males in Canada, 1975

1975 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01459	0.00051	98943.	6967158.	69.67157
1 - 4	98490.	0.00473	0.00150	392548.	6868216.	69.73520
5 - 9	97876.	0.00115	0.00139	488758.	6475668.	66.16170
10 - 14	97627.	0.00090	0.00139	487575.	5986911.	61.32449
15 - 19	97403.	0.00226	0.00578	485058.	5499337.	56.45950
20 - 24	96820.	0.00358	0.00591	480806.	5014280.	51.79697
25 - 29	95703.	0.00375	0.00387	476689.	4533474.	47.37045
30 - 34	94973.	0.00459	0.00329	472992.	4056786.	42.71519
35 - 39	94224.	0.00756	0.00355	468503.	3583795.	38.03491
40 - 44	93177.	0.01307	0.00332	462067.	3115293.	33.43405
45 - 49	91649.	0.02369	0.00353	452010.	2653227.	28.94972
50 - 54	89155.	0.04080	0.00385	435822.	2201217.	24.68985
55 - 59	85174.	0.06549	0.00409	411055.	1765395.	20.72687
60 - 64	79248.	0.10184	0.00400	375269.	1354341.	17.08995
65 - 69	70860.	0.15340	0.00482	326272.	979072.	13.81699
70 - 74	59649.	0.22256	0.00512	264293.	652800.	10.94408
75 - 79	46068.	0.31708	0.00656	193068.	388508.	8.43328
80 - 84	31159.	0.45256	0.00929	119817.	195440.	6.27239
85 +	16768.	0.69609	0.01717	75623.	75623.	4.51000

1975 Male Life Table: second cause eliminated (ie. accidents)

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01460	0.0	98978.	7151827.	71.51826
1 - 4	98540.	0.00473	0.0	393089.	7052849.	71.57323
5 - 9	98074.	0.00116	0.0	490088.	6659760.	67.90532
10 - 14	97961.	0.00090	0.0	489584.	6169673.	62.98102
15 - 19	97873.	0.00226	0.0	488809.	5680090.	58.03552
20 - 24	97651.	0.00359	0.0	487378.	5191281.	53.16150
25 - 29	97300.	0.00376	0.0	485587.	4703903.	48.34419
30 - 34	96935.	0.00460	0.0	483558.	4218316.	43.51715
35 - 39	96489.	0.00757	0.0	480615.	3734759.	38.70674
40 - 44	95758.	0.01310	0.0	475653.	3254144.	33.98312
45 - 49	94504.	0.02373	0.0	466911.	2778492.	29.40091
50 - 54	92261.	0.04088	0.0	451876.	2311581.	25.05481
55 - 59	88489.	0.06562	0.0	427929.	1859706.	21.01614
60 - 64	82682.	0.10205	0.0	392318.	1431777.	17.31659
65 - 69	74245.	0.15377	0.0	342683.	1039460.	14.00043
70 - 74	62828.	0.22313	0.0	279095.	696777.	11.09017
75 - 79	48810.	0.31812	0.0	205229.	417682.	8.55737
80 - 84	33282.	0.45468	0.0	128579.	212453.	6.38340
85 +	18150.	0.70212	0.0	83874.	83874.	4.62126

TABLE 11

Life Table by Accidents and all other causes of
Death for Females in Canada, 1977

1977 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01081	0.00033	99220.	7810605.	78.10605
1 - 4	98886.	0.00131	0.00099	395020.	7711385.	77.98257
5 - 9	98658.	0.00076	0.00068	492937.	7316365.	74.15866
10 - 14	98517.	0.00067	0.00064	492260.	6823429.	69.26178
15 - 19	98387.	0.00123	0.00137	491296.	6331170.	64.34944
20 - 24	98131.	0.00155	0.00105	490018.	5839874.	59.51083
25 - 29	97876.	0.00204	0.00074	488701.	5349856.	54.65948
30 - 34	97604.	0.00288	0.00070	487148.	4861155.	49.80464
35 - 39	97255.	0.00479	0.00086	484901.	4374008.	44.97475
40 - 44	96706.	0.00806	0.00102	481333.	3889108.	40.21599
45 - 49	95828.	0.01382	0.00109	475567.	3407776.	35.56154
50 - 54	94399.	0.02082	0.00127	466782.	2932210.	31.06184
55 - 59	92314.	0.03185	0.00136	453904.	2465428.	26.70700
60 - 64	89248.	0.04841	0.00150	435102.	2011525.	22.53870
65 - 69	84793.	0.07557	0.00178	407569.	1576424.	18.59142
70 - 74	78235.	0.12021	0.00249	367176.	1168855.	14.94038
75 - 79	68636.	0.18742	0.00440	310265.	801679.	11.68020
80 - 84	55470.	0.30433	0.00627	234278.	491414.	8.85902
85 +	38241.	0.52829	0.01377	257136.	257136.	6.72409

1977 Female Life Table: second cause eliminated (ie. accidents)

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01081	0.0	99243.	7889459.	78.89458
1 - 4	98919.	0.00131	0.0	395379.	7790216.	78.75328
5 - 9	98790.	0.00076	0.0	493762.	7394837.	74.85429
10 - 14	98715.	0.00067	0.0	493409.	6901076.	69.90913
15 - 19	98649.	0.00123	0.0	492939.	6407668.	64.95445
20 - 24	98527.	0.00156	0.0	492251.	5914730.	60.03160
25 - 29	98374.	0.00204	0.0	491367.	5422479.	55.12126
30 - 34	98173.	0.00288	0.0	490160.	4931112.	50.22867
35 - 39	97891.	0.00479	0.0	488281.	4440953.	45.36644
40 - 44	97422.	0.00806	0.0	485145.	3952673.	40.57281
45 - 49	96636.	0.01382	0.0	479842.	3467529.	35.88228
50 - 54	95300.	0.02083	0.0	471540.	2987688.	31.35019
55 - 59	93315.	0.03188	0.0	459140.	2516149.	26.96391
60 - 64	90341.	0.04845	0.0	440761.	2057009.	22.76942
65 - 69	85964.	0.07564	0.0	413564.	1616248.	18.80150
70 - 74	79462.	0.12035	0.0	373400.	1202685.	15.13540
75 - 79	69898.	0.18783	0.0	316668.	829286.	11.86421
80 - 84	56769.	0.30529	0.0	240518.	512618.	9.02984
85 +	39438.	0.53195	0.0	272099.	272099.	6.89938

TABLE 12

Life Table by Accidents and all other causes of Death for Females in Canada, 1976

1976 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01147	0.00035	99172.	7767711.	77.67711
1 - 4	98818.	0.00252	0.00167	394318.	7668539.	77.60284
5 - 9	98404.	0.00081	0.00078	491628.	7274221.	73.92227
10 - 14	98248.	0.00071	0.00052	490938.	6782593.	69.03564
15 - 19	98128.	0.00120	0.00136	490008.	6291656.	64.11714
20 - 24	97876.	0.00160	0.00098	488749.	5801648.	59.27556
25 - 29	97624.	0.00187	0.00073	487485.	5312900.	54.42224
30 - 34	97370.	0.00309	0.00072	485923.	4825416.	49.55742
35 - 39	96999.	0.00500	0.00086	483573.	4339494.	44.73759
40 - 44	96430.	0.00769	0.00088	480083.	3855922.	39.98666
45 - 49	95603.	0.01357	0.00112	474507.	3375839.	35.31094
50 - 54	94200.	0.02023	0.00117	465957.	2901333.	30.79985
55 - 59	92183.	0.03118	0.00156	453371.	2435376.	26.41881
60 - 64	89165.	0.04934	0.00156	434480.	1982006.	22.22852
65 - 69	84627.	0.07699	0.00198	406425.	1547527.	18.28645
70 - 74	77943.	0.12079	0.00260	365673.	1141102.	14.64019
75 - 79	68326.	0.19731	0.00375	307286.	775430.	11.34898
80 - 84	54588.	0.31477	0.00741	228974.	468144.	8.57589
85 +	37001.	0.54313	0.01467	239170.	239170.	6.46385

1976 Female Life Table: second cause eliminated (ie. accidents)

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01148	0.0	99197.	7850515.	78.50514
1 - 4	98852.	0.00252	0.0	394836.	7751319.	78.41312
5 - 9	98603.	0.00081	0.0	492817.	7356483.	74.60695
10 - 14	98523.	0.00071	0.0	492443.	6863667.	69.66531
15 - 19	98454.	0.00120	0.0	491973.	6371224.	64.71277
20 - 24	98335.	0.00160	0.0	491283.	5879252.	59.78783
25 - 29	98178.	0.00187	0.0	490431.	5387970.	54.87964
30 - 34	97995.	0.00310	0.0	489214.	4897539.	49.97765
35 - 39	97691.	0.00500	0.0	487235.	4408325.	45.12509
40 - 44	97203.	0.00769	0.0	484144.	3921091.	40.33929
45 - 49	96455.	0.01357	0.0	479001.	3436948.	35.63274
50 - 54	95146.	0.02024	0.0	470913.	2957948.	31.08865
55 - 59	93220.	0.03121	0.0	458825.	2487036.	26.67932
60 - 64	90310.	0.04938	0.0	440404.	2028212.	22.45824
65 - 69	85851.	0.07707	0.0	412714.	1587809.	18.49490
70 - 74	79235.	0.12094	0.0	372215.	1175095.	14.83060
75 - 79	69652.	0.19768	0.0	313836.	802880.	11.52710
80 - 84	55883.	0.31594	0.0	235275.	489045.	8.75125
85 +	38227.	0.54714	0.0	253770.	253770.	6.63845

TABLE 13

Life Table by Accidents and all other causes of
Death for Females in Canada, 1975

1975 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01154	0.00042	99162.	7727970.	77.27969
1 - 4	98803.	0.00358	0.00105	394162.	7628808.	77.21196
5 - 9	98346.	0.00088	0.00086	491301.	7234647.	73.56316
10 - 14	98174.	0.00079	0.00072	490500.	6743347.	68.68748
15 - 19	98026.	0.00120	0.00153	489458.	6252848.	63.78792
20 - 24	97758.	0.00170	0.00119	488081.	5763391.	58.95592
25 - 29	97475.	0.00213	0.00088	486642.	5275310.	54.11972
30 - 34	97182.	0.00302	0.00091	484956.	4788668.	49.27522
35 - 39	96800.	0.00501	0.00111	482521.	4303712.	44.45963
40 - 44	96208.	0.00862	0.00116	478688.	3821191.	39.71799
45 - 49	95267.	0.01485	0.00112	472531.	3342504.	35.08566
50 - 54	93746.	0.02101	0.00128	463505.	2869973.	30.61450
55 - 59	91657.	0.03320	0.00175	450274.	2406468.	26.25525
60 - 64	88453.	0.05100	0.00172	430609.	1956194.	22.11562
65 - 69	83791.	0.08093	0.00203	401574.	1525586.	18.20714
70 - 74	76839.	0.12656	0.00314	359280.	1124013.	14.62816
75 - 79	66873.	0.20004	0.00428	300207.	764734.	11.43560
80 - 84	53210.	0.31528	0.00800	223044.	464526.	8.73008
85 +	36008.	0.52614	0.01696	241483.	241483.	6.70641

1975 Female Life Table: second cause eliminated (ie. accident)

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01155	0.0	99192.	7817624.	78.17624
1 - 4	98845.	0.00358	0.0	394568.	7718433.	78.08592
5 - 9	98492.	0.00088	0.0	492242.	7323865.	74.36018
10 - 14	98405.	0.00079	0.0	491829.	6831624.	69.42358
15 - 19	98327.	0.00120	0.0	491338.	6339795.	64.47684
20 - 24	98209.	0.00170	0.0	490624.	5848458.	59.55144
25 - 29	98041.	0.00213	0.0	489685.	5357834.	54.64876
30 - 34	97833.	0.00302	0.0	488424.	4868150.	49.75998
35 - 39	97537.	0.00502	0.0	486462.	4379726.	44.90317
40 - 44	97048.	0.00863	0.0	483146.	3893264.	40.11696
45 - 49	96211.	0.01485	0.0	477481.	3410118.	35.44426
50 - 54	94782.	0.02102	0.0	468928.	2932638.	30.94099
55 - 59	92789.	0.03323	0.0	456239.	2463711.	26.55162
60 - 64	89706.	0.05104	0.0	437084.	2007473.	22.37836
65 - 69	85127.	0.08101	0.0	408396.	1570390.	18.44751
70 - 74	78231.	0.12676	0.0	366365.	1161994.	14.85335
75 - 79	68315.	0.20047	0.0	307336.	795630.	11.64654
80 - 84	54620.	0.31655	0.0	229874.	488294.	8.93987
85 +	37330.	0.53064	0.0	258420.	258420.	6.92262

TABLE 14

Life Table by Cancer and all other causes of
Death for Males in Canada, 1977

1977 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01334	0.00007	99061.	7037504.	70.37503
1 - 4	98659.	0.00238	0.00028	394032.	6938443.	70.32729
5 - 9	98396.	0.00188	0.00044	491411.	6544411.	66.51077
10 - 14	98168.	0.00178	0.00028	490335.	6053001.	61.65956
15 - 19	97966.	0.00690	0.00039	488044.	5562667.	56.78171
20 - 24	97252.	0.00894	0.00044	483978.	5074623.	52.18016
25 - 29	96339.	0.00698	0.00055	479883.	4590646.	47.65086
30 - 34	95614.	0.00653	0.00102	476266.	4110763.	42.99329
35 - 39	94893.	0.00938	0.00136	471914.	3634497.	38.30119
40 - 44	93873.	0.01351	0.00274	465551.	3162583.	33.68994
45 - 49	92347.	0.02147	0.00563	455478.	2697032.	29.20532
50 - 54	89844.	0.03288	0.01076	439417.	2241554.	24.94937
55 - 59	85923.	0.04926	0.01806	415154.	1802138.	20.97394
60 - 64	80139.	0.07511	0.02934	379768.	1386985.	17.30728
65 - 69	71768.	0.11088	0.04130	331537.	1007218.	14.03430
70 - 74	60846.	0.16614	0.05860	270046.	675681.	11.10468
75 - 79	47172.	0.24436	0.07312	198420.	405635.	8.59905
80 - 84	32196.	0.36092	0.08225	125309.	207215.	6.43610
85 +	17928.	0.62464	0.08271	81906.	81906.	4.56868

1977 Male Life Table: cancer removed

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01334	0.0	99066.	7324525.	73.24524
1 - 4	98666.	0.00238	0.0	394124.	7225459.	73.23131
5 - 9	98431.	0.00188	0.0	491693.	6831336.	69.40227
10 - 14	98246.	0.00178	0.0	490794.	6339644.	64.52821
15 - 19	98071.	0.00690	0.0	488666.	5848851.	59.63867
20 - 24	97395.	0.00894	0.0	484798.	5360185.	55.03552
25 - 29	96524.	0.00698	0.0	480936.	4875388.	50.50958
30 - 34	95850.	0.00653	0.0	477687.	4394452.	45.84695
35 - 39	95224.	0.00939	0.0	473887.	3916765.	41.13193
40 - 44	94330.	0.01353	0.0	468461.	3442879.	36.49811
45 - 49	93054.	0.02153	0.0	460261.	2974419.	31.96442
50 - 54	91050.	0.03306	0.0	447726.	2514158.	27.61282
55 - 59	88040.	0.04971	0.0	429260.	2066432.	23.47145
60 - 64	83664.	0.07623	0.0	402376.	1637172.	19.56842
65 - 69	77286.	0.11322	0.0	364556.	1234797.	15.97692
70 - 74	68536.	0.17115	0.0	313354.	870242.	12.69760
75 - 79	56806.	0.25364	0.0	248008.	556888.	9.80338
80 - 84	42398.	0.37639	0.0	172093.	308880.	7.28530
85 +	26439.	0.65158	0.0	136787.	136787.	5.17360

TABLE 15

Life Table by Cancer and all other causes of
Death for Males in Canada, 1976

1976 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01547	0.00006	98912.	7022615.	70.22614
1 - 4	98446.	0.00302	0.00030	393031.	6923703.	70.32986
5 - 9	98119.	0.00189	0.00036	490044.	6530672.	66.55885
10 - 14	97899.	0.00186	0.00028	488971.	6040629.	61.70285
15 - 19	97690.	0.00682	0.00040	486684.	5551659.	56.82959
20 - 24	96984.	0.00825	0.00051	482793.	5064976.	52.22491
25 - 29	96134.	0.00669	0.00057	478923.	4582183.	47.66478
30 - 34	95436.	0.00674	0.00079	475382.	4103261.	42.99512
35 - 39	94717.	0.00838	0.00147	471254.	3627880.	38.30223
40 - 44	93784.	0.01310	0.00297	465154.	3156627.	33.65839
45 - 49	92277.	0.02185	0.00562	455049.	2691474.	29.16727
50 - 54	89742.	0.03300	0.01053	438947.	2236426.	24.92052
55 - 59	85836.	0.05108	0.01801	414354.	1797480.	20.94078
60 - 64	79905.	0.07610	0.02845	378641.	1383126.	17.30954
65 - 69	71551.	0.11225	0.04130	330288.	1004485.	14.03870
70 - 74	60564.	0.16981	0.05786	268349.	674197.	11.13198
75 - 79	46776.	0.25257	0.07144	195988.	405849.	8.67652
80 - 84	31619.	0.37248	0.08380	122029.	209861.	6.63708
85 +	17192.	0.57864	0.07849	87832.	87832.	5.10885

1976 Male Life Table: cancer removed

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01547	0.0	98917.	7309428.	73.09427
1 - 4	98453.	0.00302	0.0	393125.	7210512.	73.23848
5 - 9	98155.	0.00189	0.0	490312.	6817387.	69.45535
10 - 14	97970.	0.00186	0.0	489394.	6327076.	64.58188
15 - 19	97788.	0.00682	0.0	487272.	5837682.	59.69743
20 - 24	97121.	0.00826	0.0	483600.	5350411.	55.09026
25 - 29	96319.	0.00669	0.0	479983.	4866812.	50.52805
30 - 34	95674.	0.00674	0.0	476758.	4386830.	45.85176
35 - 39	95029.	0.00839	0.0	473153.	3910072.	41.14600
40 - 44	94232.	0.01312	0.0	468069.	3436919.	36.47292
45 - 49	92996.	0.02191	0.0	459885.	2968850.	31.92461
50 - 54	90958.	0.03317	0.0	447248.	2508966.	27.58368
55 - 59	87941.	0.05154	0.0	428372.	2061718.	23.44434
60 - 64	83408.	0.07720	0.0	400942.	1633346.	19.58260
65 - 69	76969.	0.11462	0.0	362788.	1232405.	16.01176
70 - 74	68147.	0.17486	0.0	310941.	869617.	12.76100
75 - 79	56230.	0.26193	0.0	244330.	558676.	9.93554
80 - 84	41502.	0.38877	0.0	167172.	314346.	7.57429
85 +	25367.	0.60228	0.0	147175.	147175.	5.80182

TABLE 16

Life Table by Cancer and all other causes of
Death for Males in Canada, 1975

1975 Male Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01506	0.00004	98943.	6983770.	69.83769
1 - 4	98490.	0.00318	0.00027	393177.	6884828.	69.90387
5 - 9	98150.	0.00214	0.00041	490122.	6491652.	66.14044
10 - 14	97899.	0.00205	0.00024	488935.	6001531.	61.30316
15 - 19	97675.	0.00770	0.00046	486383.	5512596.	56.43814
20 - 24	96878.	0.00899	0.00050	482093.	5026213.	51.88167
25 - 29	95959.	0.00703	0.00060	477964.	4544121.	47.35500
30 - 34	95227.	0.00701	0.00088	474257.	4066158.	42.69966
35 - 39	94476.	0.00972	0.00138	469756.	3591902.	38.01927
40 - 44	93426.	0.01399	0.00290	463185.	3122147.	33.41823
45 - 49	91848.	0.02145	0.00577	452988.	2658962.	28.94968
50 - 54	89348.	0.03407	0.01058	436765.	2205975.	24.68983
55 - 59	85358.	0.05158	0.01800	411944.	1769211.	20.72685
60 - 64	79419.	0.07809	0.02775	376080.	1357268.	17.08995
65 - 69	71013.	0.11777	0.04045	326977.	981188.	13.81699
70 - 74	59778.	0.17118	0.05649	264864.	654211.	10.94408
75 - 79	46168.	0.25297	0.07067	193485.	389347.	8.43328
80 - 84	31226.	0.37877	0.08309	120076.	195862.	6.27239
85 +	16804.	0.62118	0.09209	75787.	75787.	4.51000

1975 Male Life Table: cancer removed

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01506	0.0	98946.	7258417.	72.58417
1 - 4	98494.	0.00318	0.0	393254.	7159472.	72.68961
5 - 9	98180.	0.00214	0.0	490375.	6766219.	68.91634
10 - 14	97970.	0.00205	0.0	489347.	6275844.	64.05887
15 - 19	97769.	0.00770	0.0	486962.	5786497.	59.18547
20 - 24	97016.	0.00900	0.0	482898.	5299535.	54.62537
25 - 29	96143.	0.00703	0.0	479025.	4816638.	50.09862
30 - 34	95467.	0.00701	0.0	475662.	4337613.	45.43570
35 - 39	94798.	0.00973	0.0	471683.	3861951.	40.73885
40 - 44	93875.	0.01401	0.0	466088.	3390269.	36.11456
45 - 49	92560.	0.02151	0.0	457821.	2924182.	31.59235
50 - 54	90569.	0.03425	0.0	445088.	2466361.	27.23192
55 - 59	87467.	0.05204	0.0	425953.	2021273.	23.10909
60 - 64	82914.	0.07919	0.0	398157.	1595321.	19.24055
65 - 69	76349.	0.12020	0.0	358800.	1197164.	15.68025
70 - 74	67171.	0.17615	0.0	306276.	838365.	12.48097
75 - 79	55339.	0.26224	0.0	240415.	532089.	9.61508
80 - 84	40827.	0.39519	0.0	163799.	291674.	7.14414
85 +	24693.	0.65116	0.0	127875.	127875.	5.17862

TABLE 17

Life Table by Cancer and all other causes of
Death for Females in Canada, 1977

1977 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01110	0.00004	99220.	7810603.	78.10602
1 - 4	98886.	0.00204	0.00027	395020.	7711383.	77.98259
5 - 9	98658.	0.00115	0.00029	492937.	7316364.	74.15871
10 - 14	98516.	0.00110	0.00021	492259.	6823428.	69.26181
15 - 19	98387.	0.00238	0.00022	491296.	6331169.	64.34944
20 - 24	98131.	0.00222	0.00038	490018.	5839873.	59.51083
25 - 29	97876.	0.00238	0.00040	488701.	5349855.	54.65947
30 - 34	97604.	0.00270	0.00088	487148.	4861154.	49.80463
35 - 39	97255.	0.00361	0.00204	484901.	4374007.	44.97473
40 - 44	96706.	0.00552	0.00356	481333.	3889107.	40.21597
45 - 49	95828.	0.00865	0.00625	475566.	3407775.	35.56152
50 - 54	94399.	0.01203	0.01006	466782.	2932209.	31.06186
55 - 59	92314.	0.01844	0.01478	453904.	2465427.	26.70700
60 - 64	89248.	0.03004	0.01987	435102.	2011524.	22.53870
65 - 69	84793.	0.05206	0.02529	407569.	1576423.	18.59140
70 - 74	78235.	0.09025	0.03244	367176.	1168854.	14.94038
75 - 79	68636.	0.15402	0.03780	310265.	801679.	11.68020
80 - 84	55470.	0.26186	0.04875	234278.	491413.	8.85902
85 +	38241.	0.49197	0.05009	257135.	257135.	6.72408

1977 Female Life Table: cancer removed

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01110	0.0	99223.	8133707.	81.33707
1 - 4	98890.	0.00204	0.0	395096.	8034485.	81.24673
5 - 9	98689.	0.00115	0.0	493159.	7639389.	77.40906
10 - 14	98575.	0.00110	0.0	492605.	7146230.	72.49525
15 - 19	98467.	0.00238	0.0	491748.	6653625.	67.57216
20 - 24	98232.	0.00222	0.0	490616.	6161878.	62.72765
25 - 29	98014.	0.00238	0.0	489489.	5671262.	57.86160
30 - 34	97781.	0.00270	0.0	488246.	5181773.	52.99345
35 - 39	97517.	0.00361	0.0	486704.	4693528.	48.13042
40 - 44	97165.	0.00553	0.0	484481.	4206825.	43.29584
45 - 49	96628.	0.00868	0.0	481042.	3722345.	38.52252
50 - 54	95789.	0.01209	0.0	476050.	3241303.	33.83792
55 - 59	94631.	0.01857	0.0	468760.	2765254.	29.22147
60 - 64	92873.	0.03034	0.0	457321.	2296494.	24.72719
65 - 69	90055.	0.05272	0.0	438406.	1839174.	20.42273
70 - 74	85307..	0.09174	0.0	406971.	1400768.	16.42026
75 - 79	77481.	0.15698	0.0	356998.	993797.	12.82629
80 - 84	65318.	0.26840	0.0	282762.	636799.	9.74919
85 +	47787.	0.50461	0.0	354036.	354036.	7.40866

TABLE 18

Life Table by Cancer and all other causes of Death for Females in Canada, 1976

1976 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01179	0.00004	99172.	7780672.	77.80672
1 - 4	98818.	0.00227	0.00020	394710.	7681500.	77.73401
5 - 9	98574.	0.00130	0.00028	492878.	7286791.	73.92237
10 - 14	98418.	0.00101	0.00022	491787.	6793914.	69.03581
15 - 19	98297.	0.00231	0.00025	490855.	6302128.	64.11711
20 - 24	98045.	0.00226	0.00032	489594.	5811273.	59.27558
25 - 29	97792.	0.00216	0.00043	488328.	5321680.	54.41230
30 - 34	97539.	0.00288	0.00093	486763.	4833352.	49.55734
35 - 39	97167.	0.00386	0.00200	484409.	4346991.	44.73752
40 - 44	96597.	0.00541	0.00316	480913.	3862583.	39.98659
45 - 49	95768.	0.00843	0.00625	475327.	3381670.	35.31090
50 - 54	94362.	0.01178	0.00962	466762.	2906344.	30.79984
55 - 59	92343.	0.01869	0.01405	454154.	2439582.	26.41879
60 - 64	89319.	0.03127	0.01962	435230.	1985428.	22.22850
65 - 69	84773.	0.05451	0.02447	407127.	1550198.	18.28644
70 - 74	78078.	0.09145	0.03193	366304.	1143072.	14.64019
75 - 79	68444.	0.16112	0.03994	307816.	776769.	11.34898
80 - 84	54683.	0.27385	0.04833	229369.	468952.	8.57589
85 +	37065.	0.50597	0.05183	239583.	239583.	6.46385

1976 Female Life Table: cancer removed

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01179	0.0	99175.	8090118.	80.90117
1 - 4	98821.	0.00227	0.0	394768.	7990944.	80.86255
5 - 9	98597.	0.00130	0.0	492662.	7596176.	77.04305
10 - 14	98468.	0.00101	0.0	492093.	7103515.	72.14024
15 - 19	98369.	0.00231	0.0	491276.	6611423.	67.21046
20 - 24	98142.	0.00226	0.0	490153.	6120147.	62.36043
25 - 29	97920.	0.00216	0.0	489069.	5629994.	57.49596
30 - 34	97708.	0.00288	0.0	487835.	5140925.	52.61525
35 - 39	97426.	0.00386	0.0	486189.	4653091.	47.76025
40 - 44	97050.	0.00542	0.0	483933.	4166903.	42.93582
45 - 49	96524.	0.00846	0.0	480577.	3682971.	38.15620
50 - 54	95707.	0.01184	0.0	475705.	3202394.	33.46028
55 - 59	94575.	0.01882	0.0	468422.	2726690.	28.83113
60 - 64	92794.	0.03158	0.0	456644.	2258269.	24.33629
65 - 69	89863.	0.05518	0.0	436920.	1801625.	20.04846
70 - 74	84905.	0.09294	0.0	404796.	1364706.	16.07341
75 - 79	77014.	0.16441	0.0	353415.	959911.	12.46415
80 - 84	64352.	0.28063	0.0	276613.	606496.	9.42463
85 +	46293.	0.51943	0.0	329883.	329883.	7.12599

TABLE 19

Life Table by Cancer and all other causes of
Death for Females in Canada, 1975

1975 Female Life Table: All causes

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01190	0.00007	99162.	7742363.	77.42363
1 - 4	98803.	0.00243	0.00028	394598.	7643201.	77.35764
5 - 9	98536.	0.00146	0.00028	492249.	7248603.	73.56313
10 - 14	98364.	0.00130	0.00022	491446.	6756355.	68.68748
15 - 19	98215.	0.00253	0.00020	490402.	6264910.	63.78795
20 - 24	97946.	0.00264	0.00026	489022.	5774509.	58.95596
25 - 29	97663.	0.00249	0.00051	487581.	5285487.	54.11974
30 - 34	97370.	0.00299	0.00094	485892.	4797907.	49.27522
35 - 39	96987.	0.00429	0.00183	483452.	4312016.	44.45964
40 - 44	96394.	0.00608	0.00370	479611.	3828564.	39.71799
45 - 49	95451.	0.00911	0.00686	473443.	3348953.	35.08566
50 - 54	93926.	0.01273	0.00955	464400.	2875511.	30.61452
55 - 59	91834.	0.02055	0.01440	451143.	2411112.	26.25525
60 - 64	88624.	0.03348	0.01923	431440.	1959969.	22.11562
65 - 69	83952.	0.05773	0.02524	402349.	1528530.	18.20714
70 - 74	76987.	0.09682	0.03288	359973.	1126182.	14.62816
75 - 79	67002.	0.16502	0.03929	300786.	766209.	11.43560
80 - 84	53313.	0.27574	0.04755	223474.	465422.	8.73008
85 +	36077.	0.49443	0.04867	241948.	241948.	6.70641

1975 Female Life Table: cancer removed

AGE	LX	QX1	QX2	CLX	TX	EX
0 - 1	100000.	0.01170	0.0	99167.	8053628.	80.53627
1 - 4	98810.	0.00243	0.0	394689.	7954461.	80.50233
5 - 9	98570.	0.00146	0.0	492490.	7559773.	76.69440
10 - 14	98426.	0.00130	0.0	491810.	7067284.	71.80315
15 - 19	98298.	0.00253	0.0	490868.	6575474.	66.89313
20 - 24	98049.	0.00264	0.0	489599.	6084606.	62.05675
25 - 29	97791.	0.00249	0.0	488343.	5595007.	57.21417
30 - 34	97547.	0.00299	0.0	487005.	5106664.	52.35097
35 - 39	97255.	0.00429	0.0	485232.	4619660.	47.50040
40 - 44	96838.	0.00609	0.0	482713.	4134428.	42.69443
45 - 49	96247.	0.00914	0.0	479038.	3651716.	37.94090
50 - 54	95368.	0.01279	0.0	473788.	3172679.	33.26787
55 - 59	94148.	0.02070	0.0	465865.	2698892.	28.66663
60 - 64	92198.	0.03381	0.0	453200.	2233028.	24.21980
65 - 69	89082.	0.05846	0.0	432388.	1779829.	19.97978
70 - 74	83874.	0.09844	0.0	398727.	1347442.	16.06516
75 - 79	75617.	0.16833	0.0	346264.	948716.	12.54630
80 - 84	62888.	0.28246	0.0	270034.	602452.	9.57969
85 +	45125	0.50676	0.0	332418	332418.	7.34455

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